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REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

12967-002001

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 6,007,622, granted December 28, 1999, and for which a

reissue patent is sought on the invention entitled Method Of Preparing Group III-V Compound

Semiconductor Crystal

the specification of which

☒ is attached hereto.

☐ was filed on _____ as reissue application number _____ / _____
and was amended on _____
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

Applicants erred in failing to include claims of a scope which would have provoked an interference in their original application and claimed less than they were entitled to claim.

[Page 1 of 2]

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Docket Number (Optional)

12967-002001

(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

Name(s) John B. Pegram Registration Number 25,198

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

Type Customer Number here

Place Customer Number Bar
Code Label here

<input type="checkbox"/> Firm or Individual Name	<u>John B. Pegram</u>				
Address	<u>Fish & Richardson P.C.</u>				
Address	<u>45 Rockefeller Plaza</u>				
City	<u>New York</u>	State	<u>New York</u>	Zip	<u>10111</u>
Country	<u>United States</u>				
Telephone	<u>(212) 765-5070</u>	Fax	<u>(212) 258-2291</u>		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Tomohiro Kawase

Inventor's signature Tomohiro Kawase

Date March 29, 2001

Residence Hyogo, Japan

Citizenship

Mailing Address c/o Itami Works of Sumitomo Electric Industries, Ltd.
1-1, Koyakita 1-chome, Itami-shi, Hyogo, Japan

Full name of second joint inventor (given name, family name)

Masami Tatsumi

Inventor's signature Masami Tatsumi

Date March 29, 2001

Residence Hyogo, Japan

Citizenship

Mailing Address c/o Itami Works of Sumitomo Electric Industries, Ltd.
1-1, Koyakita 1-chome, Itami-shi, Hyogo, Japan

Full name of third joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Mailing Address

☐ Additional joint inventors are named on separately numbered sheets attached hereto.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Sumitomo Electric Industries, Ltd.Application No./Patent No.: 6,007,622 Filed/Issue Date: 12/28/99Entitled: Method Of Preparing Group III-V Compound Semiconductor CrystalSumitomo Electric Industries, Ltd. a limited company

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 8526, Frame 0483, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

March 29, 2001

Date

Minoru Watanabe

Typed or printed name

Minoru Watanabe

Signature

General ManagerIntellectual Property Department

Title

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**REISSUE APPLICATION: CONSENT OF ASSIGNEE;
STATEMENT OF NON-ASSIGNMENT**

Docket Number (Optional)
12967-002001

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s)
Tomohiro Kawase et al

Patent Number
6,007,622

Date Patent Issued
December 28, 1999

Title of Invention
Method Of Preparing Group III-V Compound Semiconductor Crystal

1. ☒ Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)
2. ☐ Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.

One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

The assignee(s) owning an undivided interest in said original patent is/are _____
and the assignee(s) consents to the accompanying application for reissue.

Sumitomo Electric Industries, Ltd.

Name of assignee/inventor (if not assigned)

Signature

Minoru Watanabe

Date

March 29, 2001

Typed or printed name and title of person signing for assignee (if assigned)

Minoru Watanabe
General Manager, Intellectual Property Department

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/54 (12-97)
Approved for use through 9/30/00. OMB 0651-0033
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

REISSUE APPLICATION BY THE ASSIGNEE, OFFER TO SURRENDER PATENT

Docket Number (Optional)
12967-002001

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s)
Tomohiro Kawase et al
Patent Number
6,007,622

Date Patent Issued
December 28, 1999

Title of Invention
Method Of Preparing Group III-V Compound Semiconductor Crystal

Sumitomo Electric Industries, Ltd. is the assignee of the entire interest in the original patent.

I offer to surrender the original patent.

☒ A certificate under 37 CFR 3.73(b) is attached.

I am authorized to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements my jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.

Name of assignee
Sumitomo Electric Industries, Ltd.

Signature of person signing for assignee

Date
March 29, 2001

Minoru Watanabe
Typed or printed name and title of person signing for assignee
Minoru Watanabe
General Manager, Intellectual Property Department

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

ASSIGNMENT

Serial No. _____

Filed _____

WHEREAS, Tomohiro KAWASE and Masami TATSUMIInsert Name(s)
of Inventor(s)

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements
in Method of Preapring Group III-V Compound Semiconductor Crystal

Insert Date
of Signing of
Application

for which an application for Letters Patent of the United States of America has been executed by the
undersigned on April 21, 1997; and

WHEREAS, Sumitomo Electric Industries, Ltd.Insert Name
of Assignee

Insert Address
of Assignee

of 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

[illegible]